APPENDIX A

BENCHMARK CHARACTERISTIC ANALYSIS OF DATA FROM FIXED STATIONS IN THE EEL-WABASH WATERSHED

Iron (ug/l) Zinc (ug/l)	Copper (ug/l)	DH COMMENT OF STREET	Dissolved Oxygen (mg/l)	Hardness (mg/l)	TOC (mg/l)	E. cali (CFU/100ml)	TKN (mg/l as N)	Sulfate (mg/l)	Dissalved Solids (mg/l)	Suspended Solids (mg/l)	Total Solids (mg/l)	Total Phosphorus (mg/r as P)	Nill ale (mg/n do N)	Cyanico (mgn)	Cyanide (mg/l)	COD (mg/l)	BOD (mg/l)	Ammonia (mg/l as N)	Alkalinity (mg/l)			Station: ELL-41	1				Zinc (ug/l)	fron (ug/l)	Copper (uq/l)	모	Dissolved Oxygen (mg/l)	Cilionae (ingri)	Chloride (mnfl)	Hardness (mg/l)	TOC (mg/l)	E. coli (CFU/100ml)	TKN (mg/l as N)	Sulfate (mg/l)	Dissolved Solids (mg/l)	Suspended Solids (mg/l)	Total colles (mgn)	otal Colide (mail)	Total Phosphonis (mn/l as P)	Nitrate (mo/l as N)	Cyanide (mg/l)	COD (mg/l)	BOD (mod)	Ammonia (mg/l as N)	Alkalinity (mg/l)			Station: ELL-7
5 B	9	58	57	4 0	0	69	0	0	0	74	13	1 7	1 3	74	71	7.4	35	14		PIE	Valid						co	00	œ	24	24	2 (0	24	0	23	0	0	-	. 13	3 5	24	24	24	0	24	12	24	24	Valid N		
12.61			10 21456	314.0133						43.78378						21.81757	2.097143										8 46875	1340	4.2875	8.165417	11.4/563	44 475	-	288.625		809.34/8			00	90	24 466	448 9583	0.146458	3.7875		21.7375	1.383333	0.102083	213,75	Mean		
		276 7.840951	156 9 727806	30 299		1616.739 910 3966 2323.082				378 28.5	0/0 400	121 0.10	0 167027 0 135407 0 198647	27 2 26	0.00				70 000	26 250		2						172.8683						5 259 425		8 -38,0669				14.0	7 145						33 0.865855	33 0.054473	5 191,0804			
2.033306 2	2.215456 9	0951	7806 1	C +207 667	2	396b Z				28,90252 58,66505	400,700 004,000	7050 57	5407 0	2 264541 2 975999	0.005096 0.006116	19,4945 2	1 580363 2		0000	219 DAA7 242 9823	īi -	Confid					0 468807 16.46869	3683 25	2 103563 6.471437	8192 B											14 51771 53 81567	89 46	0.107257 0.185659	2 962447 4 612553		18.35211 25.12289	5855 1	4473 0.	0804 2	-95.000% +95.000%	ind.	
23 18669	9.917878	8.0056	10.70132	320.0241	00047	523,082				5,66505	74.0002	5000	198647	975999	006116	24.14064	7913873	. 10000	0 16955	12 9823	5 000%	Confid					46869	2507 132	471437	8 252642	1201021	20212		317.825		1606.763	100				81563	466 0267	185659	612553		12289	1.900812	0.149694	236.4196	5.000%	Confid.	
5.65	4.5	8.025	9.94	0.776	300	440				22	3 5	404	0 12	23	0.005	19	1,0	0.00	005	2415	Median						57	810	3.6	8 145		11 15		305		700	3				7	443	0.13	3.7		22	-	0.05	211.5	Median		
126.1	54.6	459 55	582 23	2000	72777	111000				3240	Direct Control	Pecse	12.36	193.9	0.398	1614.5	10.4	7	9.6	17095	Sum						67 75	10720	34.3	18.561	24013	275.42		6927		510013	40046		00	80	820	10775	3.515	909		521.7	166	2.45	5130	Sum	,	
2.25				3	184					7	3 0	269	004		0.005						Minimum							110			7 - 4			120		0			300					Ξ		92	0.5	0.05	Ent	Minimum	111111111111111111111111111111111111111	
43				19	453	14000	400								0.018						m Maximum							4400			000			402		2400	0.0		3					7.5			29			3		
2 25				- 1	274						7										-	Lower						445			7 000	10		250		0								21		14 45		0.05		-		
26					360	0	000				4.									272		Upper					93	000	4	0.00	9 0 0	3845		331		0.0	670				44.5	468	205	5		273	1.85	0.1	107	nanile	Upper	
40 75	9780	4	7 38		289		2005				342	707	0.63	8	0012	2000	3	55	75	210	Range						28 75	CR76	0	2 1	0 73	835		282	2	0000	2020				206	173	0.355	6.4		31.6	2.4	0.45	133	Kange	Conne	
23 75	3110	7.4	277		86	1	REO				w W	69	01	-		200	0	2	0.15	85	Range	Quartile					7.05	1400	4.4		2250	4 165		0		740	490				38.5	46.5	0.13	2.9		12.85	1.35	0.05	200	Solution	Ranne	2
218 6021	1 27E+07	25 1025	3 36534		4086.918		8645494			019000	4125 706	8852 034	0.018627	K7C/CC 7	4.040-00	1000	100 5409	2 263227	0.028077	2668.808	Variance						51.3671					6 067112		4/81/89/	1701								0.008618			64.27636						5
21 14 7852		5 501024	17 1.834		18 63 929		4 2940				06 64 27	34 94.08	27 0.13	1 POC	10000000	0.000	9 100	7 1.504403	77 0 167	08 51 66	e Std.Dev.									107 7	0 083	1112 2		69 769	007 00	100	214 19				275 46	868 40	618 0.1	7663 1		7636 8.1	5333 01	2/13 0	100	106 63	200	
852 4	149 12	024 1	1488 0		29 7		322 35				166 7	1525 11	648 0.1	1,040/1 n c75cc 1	1	100	10 02701 1 165616	1403 0	7561 0.1	051 6)ev						70500	_ ~			0 206566	2 463151		07101.60	2002	Approx.	59 646				53252	42113	0.092836	1.953884		8.017254		10/71	00000000	STARROR	d Day	
4 67549		1 67008	242984		7.431596		3 9732				166779	.01185	0.13648 0.015865 2.215814 0.279187	1/0403	0.000230 4.00001 0.204007	320000	65616	0.25429	119479	51 66051 6.005412 -0.47353 0.279197	Error						3.3031	100,000	403 590	0 0 3 3 5 6	0.042165	0.502789		14. 1134	1115	100000	408 614				9.49841	8.25092	0.01855	0.398835		1.636515 0.5253/6 0.4/2261	0.235112 0.480358 0.637302	0.112/20 0.020010 0.000000 0.000000	0.0000	10 95863 -0 10857 0 472261	Fror	Clanda
1,304726	1 802925 0 752101 2 455223	1 092878 0 717137 0 322499	0.226738		-0 52352		2 73918				2.633837	2.11591	7 19917	1.490901 0.20101	40000	57075	1 310589 0 279197	1 333091 0 397694	4,174785	-0.4/35	Skewness Skewness Kuttosis						1 6010	1000	0 4 777	7 0 454	5 0 241789	9 0.149246	6	4 -0.32	0.03	000000	5 4 189				1 2,610	9 0.735	5 0./64363	5 0.61070B		5 0 525	2 0.480	0 0 0 0 0 0	7 5 6 6	-010	Skew	i.
5 0.687	5 0.752	0.717	0.31632/		0.279		0 288				0.279	2 0 2810	6/70	0110	070	0 284	0 279	0.397	0.279	0.279	s Skewn	Std.Err.					0 4		040	0 303	789 0	246 04		450 V.	0.00	Section Section	728 0				132 0.4	054 0.4	303 0			3/6 0	1358 0	100	1000	857 0	ness Sk	20
0.687043 0.360865	101 24	137 03	32/ -0.1		197 -0		737 7.4				197 7.4	029 10	0'C /RI	100	107 34	805 22	197 17	694 2.1	197 22	0- /61		T					10170	200	752101	752101	472261	472261		107714	170061	100000000	481337				472261	4/2261	1077/1	0 4/2261				1077/1	479964	472261	Skewness Skewness	Fn
		2499 1	3 365347 1,834488 0,242984 0,226738 0,316327 -0,80621 0,623134		-0 52352 D 279197 -D 27206 D 551684		2940 322 353 9732 2 73918 0 288737 7 42072 0 570095				4438 0	94 08525 11,01185 2,115912 0,281029 10,39932 0,555223	5,077619 0.001004	0.110071 0.001001	9577 0	22 7423 0	1.716878 0.551684	2.105821 0 777794	0 167561 0.019479 4.174785 0.279197 22.87703 0.551684	.0 /991b U	MOSIS I						3.303177 2.31301 0 /32101 3.02103	2000177 200014 0752101 507504	3 37775	0.623587 0.454626 0.752101 -1.69011	0 472261 -1 09499	0.472261 -1.16574		0.10020	0 73028	260 M S	18.6433				8.11216	1,19835	U4/2261 U.349318	-0.50858		-0.15896	RUCO O-	0.47700	6 47709	-0.57561	Kurtosis	
1.334249	1,48088	1 399708	0.618136		551684		570095				551684	555223	001004	200	551694	0.562511	551684	777794	551684	0.551684	KUTOSIS	Sid Eff.							5 1 48088	1 1 48088	9 0.917777	4 6.81///	2	14.11344 -0.33430 0.472201 0.130203 C	0 0 177	Victoria N	3R40714 1959 646 408 6145 4 189728 0 481337 18 64334 0 934764				46.53252 9.498411 2.610132 0.472261 8.112168 0.917777	40.42113 8.250929 0.735054 0.472261 1.198353 0.917777	A DAILLI			9 0 91///					s Kurtosis	SHE